

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000115

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/867

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HOLMES-SON MICHELLE L ET AL: "Integrase-LexA fusion proteins incorporated into human immunodeficiency virus type 1 that contains a catalytically inactive integrase gene are functional to mediate integration" JOURNAL OF VIROLOGY, vol. 74, no. 24, December 2000 (2000-12), pages 11548-11556, XP002331275 ISSN: 0022-538X the whole document ----- -/--	1-4,6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

10 June 2005

Date of mailing of the international search report

05/07/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	BUSHMAN F D ET AL: "TETHERING HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 PREINTEGRATION COMPLEXES TO TARGET DNA PROMOTES INTEGRATION AT NEARBY SITES" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 71, no. 1, January 1997 (1997-01), pages 458-464, XP002914950 ISSN: 0022-538X page 459	1-4,6
Y	----- WO 95/32225 A (THE SALK INSTITUTE FOR BIOLOGICAL STUDIES) 30 November 1995 (1995-11-30) examples 1-9	1-4,6
Y	----- KATZ RICHARD A ET AL: "Targeting of retroviral integrase by fusion to a heterologous DNA binding domain: In vitro activities and incorporation of a fusion protein into viral particles" 1996, VIROLOGY, VOL. 217, NR. 1, PAGE(S) 178-190, XP002331277 ISSN: 0042-6822 figure 1	1-4,6
Y	----- WO 96/35777 A (FOX CHASE CANCER CENTER) 14 November 1996 (1996-11-14) page 35 - page 40	1-4,6
Y	----- HOLMES-SON M L ET AL: "Molecular genetics and target site specificity of retroviral integration." ADVANCES IN GENETICS. 2001, vol. 43, 2001, pages 33-69, XP009048763 ISSN: 0065-2660 page 52 - page 55	1-4,6
A	----- MANNINO STEPHEN J ET AL: "Chemical mechanism of DNA cleavage by the homing endonuclease I-PpoI" BIOCHEMISTRY, vol. 38, no. 49, 7 December 1999 (1999-12-07), pages 16178-16186, XP002331276 ISSN: 0006-2960 the whole document	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-5 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000115

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9532225	A	30-11-1995	US 5916804 A	29-06-1999
			WO 9532225 A1	30-11-1995
			US 6010860 A	04-01-2000
			US 5830707 A	03-11-1998
WO 9635777	A	14-11-1996	US 6150511 A	21-11-2000
			CA 2217994 A1	14-11-1996
			EP 0828824 A1	18-03-1998
			WO 9635777 A1	14-11-1996